

TRANSFORMER

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Abstract of JP3208313

PURPOSE: To prevent a core and bonding from being cracked and from being deteriorated owing to the expansion of a bobbin and owing to the occurrence of a crack under the conditions of high temperature and high humidity by injecting a rubber adhesive, and molding the bobbin and core with the rubber adhesive for fixed mounting.

CONSTITUTION: A bobbin and a ferrite core 6 are not bonded by an adhesive such as epoxy, and a transformer body assembled in the state where there is a backlash up and down and left and right is molded through a soft rubber-like adhesive 12 integrally with an upper end flange 2 of the bobbin and the back of the ferrite core 6. Hereby, even though a bobbin lower end flange 1 of the transformer body is expanded, any stress due to the expansion of the bobbin is not exerted on the ferrite core 6 because of the existence of a backlash between the bobbin and the ferrite core 6. Further, for the expansion of the bobbin upper end flange 2 produced stress is absorbed through the rubber-like adhesive 12 to reduce the expansion stress applied to the ferrite core 6. Thus, even though there is applied high temperature and high humidity are applied, the ferrite core 6 does not experience any crack produced therein.

